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DECLARATION FOR UTILITY OR DESIGN		Attorney Docket	Number	SEAG 49243	
		First Named Inv	ntor Dmitri Lity		rov et al.
PATENT APPL	ICATION	CO	MPLETE IF	KNOWN	
(37 CFR 1.63)		Application Num	ber		
X Declaration	Declaration	Filing Date			
Submitted OR with Initial	Submitted after Initial Filing (surcharge	Group Art Unit			
Filing (37 CFR 1.16 (e)) required)		Examiner Name			
As a below named inventor, I he	preby declare that:				
My residence, mailing address, ar	nd citizenship are as stated	below next to my name	9.		
I believe I am the original, first and names are listed below) of the sub					
PERPENDICULAR MA	CNETTO RECORDIN	NG HEAD FOR IN	(PROVED	RESOLUTION	
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					'
<u> </u>	(Title of the	Invention)		 	
the specification of which	(7,00 01 0.0	vonuony			
X is attached hereto					
OR					
was filed on (MM/DD/YYYY) as United States Application Number or PCT International					
			7		
Application Number	and was ame	ended on (MM/DD/YYY	n		(if applicable).
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.					
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation- in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.					
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's					
or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.					
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Cop	oy Attached? NO
•		•			
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:					

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

	والمستوال				
Direct all correspondence to: Customer Number or Bar Code Label OR X Correspondence address below					
Name	Benjamin T. Queen, II Pietragallo, Bosick & G	ordon			
Address	One Oxford Centre, 38th	Floor, 301	Gran	t Street	
City	Pittsburgh			PA	ZIP 15219
Country	U.S.A.	elephone 412	- 263	-4360	Fax 412 - 261-0915
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF	SOLE OR FIRST INVENTOR:	A petition h	as bee	n filed for this un	signed inventor
Given Name (first and middle [if any]) Dmitri Family Name or Surname Litvinov					
Inventor's Signature	Donte	LI	~~		Date 12 13 01
Residence:	_{City} Pittsburgh	State PA		U.S.A.	Citizenship Ukraine
Mailing Address 5463 Wilkins Avenue					
City	Pittsburgh	PA State		15217 ZIP	U.S.A.
NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor					
Given Name (first and middle [ifany]) Sakhrat Family Name Or Surname					
Inventor's Signature Date 12/13/01					
Residence:	_{City} Pittsburgh	State PA	Cou	_{untry} U.S.A.	Citizenship Russia
Mailing Address 6380 Caton Street					
City	Pittsburgh	State PA	ZIP	15217	Country U.S.A.
Additional inventors are being named on thesupplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

issue type a bigg digit (1) attaige and box	Please type a plus s	sign (+) inside this box	+
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PTO/SB/81 (02-01)

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Dmitri Litvinov et al.
Title	PERPENDICULAR MAGNETIC*
Group Art Unit	
Examiner Name	
Attorney Docket Number	SEAG 49243

* RECORDI	ING HEAD FOR IMPROVED RESC	OLUTION	
AND Practitioner(s) na Derek J. Berg Kirk A. Cesari Paul T. Dietz, and Jonathan as attorneys a	er, Reg. No. 45,401; Carol I. B , Reg. No. P-47,479; Shawn B.	Dempster, Reg. No. 34,321; Minisandram, Reg. No. 38,683; and of Seagate Technology LLC	
_ ·	espondence address for the above-ined Customer Number.	Place Customer Number Bar Code Label here	
Firm or	Benjamin T. Queen, II		
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Address	One Oxford Centre, 38th Floor, 301 Grant Street		
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Country	USA		
Telephone	412 - 263-4360	Fax 412 - 261-0915	
I am the: Applicant/Inventor. X Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).			
SIGNATURE of Applicant or Assignee of Record			
Name	Carol I Bordas		
Signature	vol I Borda		
Date			
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.			
Total of 1 forms are submitted.			

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SEAG 49243

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STATEMENT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: Dmitri Litvinov	et al.			
Applicant/Patent Owner:	Filed/Issue Date: Herewith			
Entitled: 12412 2402 241 111012 120 120014	The the for thirtered theodolion			
Seagate Technology LLC _a Limi	ted Liability Company			
(Name of Assignee) (Type of	of Assignee, e.g., corporation, partnership, university, government agency, etc.)			
states that it is:				
1. 🖾 the assignee of the entire right, title, and inter-	est; or			
2. an assignee of less than the entire right, title and interest. The extent (by, percentage) of its ownership interest is%				
in the patent application/patent identified above by v	irtue of either:			
A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
OR .				
assignee as shown below:	ent application/patent identified above, to the current			
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[] Additional documents in the chain of title	e are listed on a supplemental sheet.			
[] Copies of assignments or other documents in the [NOTE: A separate copy (i.e., the original assignment by submitted to Assignment Division in accrecorded in the records of the USPTO. See MPE	ment document or a true copy of the original document) ordance with 37 CFR Part 3, if the assignment is to be			
The undersigned (whose title is supplied below) is au	thorized to act on behalf of the assignee.			
12/13/01	Carol I. Bordas, Reg. No. 37,284			
Date	Typed or printed name Soudan			
•	IP DIVISION Counsel			
	Title			

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